

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Spring 2016 Levee Inspection Results****Reclamation District No. 0349 Sutter Island**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
**SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2016 Levee Inspection Results**

**Reclamation District No. 0349 Sutter Island**

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	1.59
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/5/2016 - 4/5/2016			
DWR Inspector	Herman Phillips			
Accompanied By	Fred Wheller RD 349			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/05/2016 04/05/2016	Herman Phillips

LM Start		Rating **	M	Issue No.	3
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_3				
Comment Code					
Inspector Comment					
Was not able to see flood fight material storage location. The President of the District was not available with me on this inspection.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_4				
Comment Code					
Inspector Comment					
RD 349 has O&M Manual on hand.					

No Photos

LM Start		Rating **	M	Issue No.	14
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_14				
Comment Code					
Inspector Comment					
RD 349 does not have a crew, only landowners and farmers. Was not able to determine if they have been trained recently.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.01	Rating **	U	Issue No.	20
LM End	0.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.327073 °	38.313798 °
				-121.576945 °	-121.578953 °
DWR ID	DWR_RD0349_01_s_2016_20				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the unwanted tall weed growth from the levee section.					

Photo 1 of 1 : SP\_2016\_RD0349\_204\_20\_20160405\_00025.jpg



Looking downstream from levee mile 0.00 waterside shoulder and slope. Tall weeds has covered the levee section.

LM Start	0.01	Rating **	U	Issue No.	19
LM End	1.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.327073 °	38.309137 °
				-121.576945 °	-121.576982 °
DWR ID	DWR_RD0349_01_s_2016_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the unwanted tall weeds from the landside levee slope. Weeds growing out of control in the landscape areas need to be maintained as a condition of the permit. Those that has a CVFPB Permit.					

Photo 1 of 1 : SP\_2016\_RD0349\_204\_19\_20160405\_00026.jpg



Looking down from levee mile 0.01 landside levee slope unit 1 RD 349.

LM Start	0.03	Rating **	M	Issue No.	7
LM End	0.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.326743 °	38.325844 °
				-121.576979 °	-121.577119 °
DWR ID	DWR_RD0349_01_s_2016_7				
Comment Code					
Inspector Comment					
2015: Erosion observed at the toe. [2015 Site ID: SAC_33-9_R]					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.08	Rating **	M	Issue No.	26
LM End	0.08	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.326133 °	38.326133 °
				-121.577141 °	-121.577141 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44303 DS_ID:24137 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe appears to be abandoned and if so should be done so properly. Electromagnetic survey indicated a crossing at this location. FIELD_STRUCT_DESC: *ABANDONED* 10-inch pipe through the levee, 3.8 feet below the crown. Power pole and anchor on the landward side. Deteriorated concrete box at the LS toe. Concrete debris on WS toe good indicator of pump location (USACE-1960). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.74). FS Date: 4/2/2015					

Photo 1 of 2 : UCIP\_SP\_2016\_44303\_73622.jpg



Deteriorated concrete distribution box on LS toe next to power pole.

LM Start	<b>0.08</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>0.08</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP\_SP\_2016\_44303\_73621.jpg



Concrete debris on WS toe is a good indicator of pump location.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.48	Rating **	U	Issue No.	24
LM End	0.48	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.320476 °	38.320476 °
				-121.578616 °	-121.578616 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:39871  
DS\_ID:24139  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: Exposed section of levee slope on landward side--need to contact owner and DWR inspector. Burrow activity noticed at crossing 10 inch holes. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: 8-inch steel pipe measured (instead of 10-inch) sleeved through a 12-inch steel pipe, 6.6 feet below the crown. Annular gap grouted at both ends. Active centrifugal pump on platform at landward toe. Inactive slant pump on steel platform on waterward slope. Exposed section pipe on waterward slope. Service pole on the landward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.5). 10-inch pipe sleeved through pre-existing pipe under Permit No. 3382 (1960). 12-inch pipe sleeved was authorized under Permit No. 951 in 1944.  
FS Date: 3/18/2009

LM Start	<b>0.48</b>	Rating **	U	Issue No.	<b>24 (cont)</b>
LM End	<b>0.48</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_SP\_2016\_39871\_36547.jpg



View of pipe on waterward side with rip rap on toe--dense vegetation on slope.

Photo 2 of 2 : UCIP\_SP\_2016\_39871\_36546.jpg



View of pipe on landward side--open cut section.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.88	Rating **	M	Issue No.	22
LM End	0.88	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.314672 °	38.314672 °
				-121.579102 °	-121.579102 °
DWR ID					

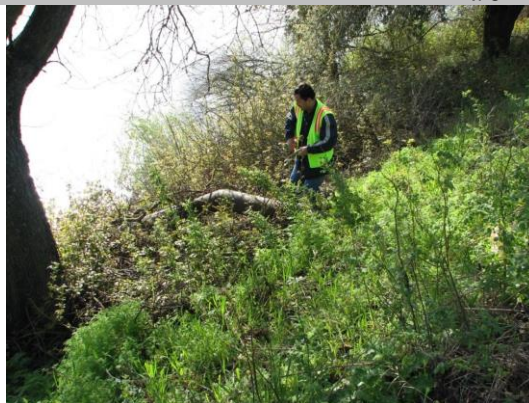
**Comment Code**

**Inspector Comment**

FS\_ID:21572  
DS\_ID:24521  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: No records were found during initial desk study--need to contact owner to obtain permit number authorizing work. If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: Abandoned 8-inch pipe through the levee, 13.9 feet below the crown. Pump on platform at landward toe. Service pole on landward slope.  
FS Date: 3/18/2009

LM Start	<b>0.88</b>	Rating **	M	Issue No.	<b>22 (cont)</b>
LM End	<b>0.88</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_SP\_2016\_21572\_36576.jpg



View of pipe crossing located on waterward side--dense vegetation on levee slope.

Photo 2 of 2 : UCIP\_SP\_2016\_21572\_36573.jpg



Pump house located on landward side at toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.03	Rating **	U	Issue No.	23
LM End	1.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.312496 °	38.312496 °
				-121.578625 °	-121.578625 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:39872  
DS\_ID:24140  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: Exposed section of levee slope on landward side-- need to contact owner and DWR inspector. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: 14-inch pipe (waterward shoulder) and 12-inch pipe (landward shoulder) through the levee, 4.7 feet below the crown. Gate valve on the waterward slope. Pump in pumphouse on landward slope. Pressure breaker behind pumphouse. Pipe exposed on waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.1).  
FS Date: 3/18/2009

LM Start	<b>1.03</b>	Rating **	U	Issue No.	<b>23 (cont)</b>
LM End	<b>1.03</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_SP\_2016\_39872\_36561.jpg



View of pipe on waterward side.

Photo 2 of 2 : UCIP\_SP\_2016\_39872\_36562.jpg



View of gate with missing handle located on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.05	Rating **	M	Issue No.	10
LM End	1.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.312193 °	38.309145 °
				-121.578522 °	-121.576985 °
DWR ID	DWR_RD0349_01_f_2014_10				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.19	Rating **	M	Issue No.	27
LM End	1.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.310287 °	38.310287 °
				-121.577669 °	-121.577669 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44304 DS_ID:24141 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 2007 DWR erosion repair site location?--need to find out fate of crossing. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: Pumphouse at landward toe. Pressure breaker on landward side. Electromagnetic Survey indicated a crossing at this location as well. FS Date: 4/2/2015					

Photo 1 of 2 : UCIP\_SP\_2016\_44304\_36580.jpg



Geotech fabric and protective frame at tree--design features of erosion repair site 2007-2009.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

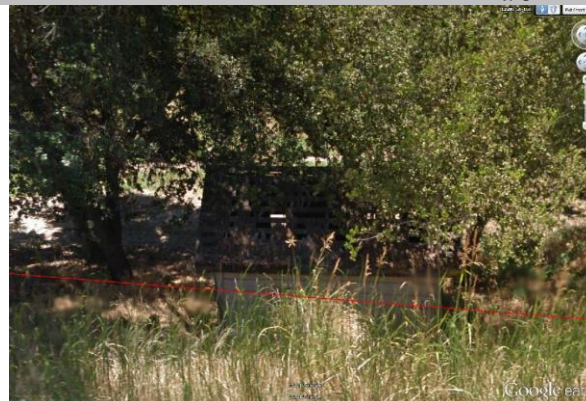
**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.19	Rating **	M	Issue No.	27 (cont)	
LM End	1.19	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.310287 °		38.310287 °
				-121.577669 °		-121.577669 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44304						
DS_ID:24141						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 2007 DWR erosion repair site location?--need to find out fate of crossing. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.						
FIELD_STRUCT_DESC: Pumphouse at landward toe. Pressure breaker on landward side. Electromagnetic Survey indicated a crossing at this location as well.						
FS Date: 4/2/2015						

Photo 2 of 2 : UCIP\_SP\_2016\_44304\_73625.jpg



Pumphouse on LS toe (From google view)

LM Start	1.38	Rating **	U	Issue No.	6
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.307880 °	38.307453 °
				-121.576068 °	-121.575735 °
DWR ID	DWR_RD0349_01_f_2015_6				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the woody tree growth from the landside levee slope and toe.					

Photo 1 of 1 : SP\_2016\_RD0349\_204\_6\_20160223\_00004.jpg



Unsatisfactory woody tree growth on the landside levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.46	Rating **	M	Issue No.	25
LM End	1.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.306760 °	38.306760 °
				-121.575312 °	-121.575312 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:44214  
DS\_ID:24143  
EP\_NO: 12005  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Pipe open on WS slope. 2007 Erosion Repair Site location?--Need to contact owner to determine if crossing is still in use. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: 6-inch steel irrigation pipe, 4.0 feet below the crown. Siphon breaker and protective housing at levee shoulder. Pump on waterward side. Pipe exposed on waterward slope, extending to pump. Discharge structure at landward toe. (Permit No. 12005-1977)  
FS Date: 4/2/2015

LM Start	<b>1.46</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>1.46</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_44214\_36572.jpg



View of landward side.

Photo 2 of 2 : UCIP\_SP\_2016\_44214\_36571.jpg



Pipe located on landward side--unable to determine whether it belongs to crossing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.53	Rating **	M	Issue No.	21
LM End	1.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.305883 °	38.305450 °
				-121.574765 °	-121.574657 °
DWR ID	DWR_RD0349_01_f_2015_21				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the growth from the landside slope.					

No Photos

LM Start	1.54	Rating **	U	Issue No.	12
LM End	1.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.305722 °	38.305722 °
				-121.574695 °	-121.574680 °
DWR ID	DWR_RD0349_01_f_2014_12				
Comment Code					
RW : Retaining Wall					
Inspector Comment					
This issue is under review with the CVFPB.					

Photo 1 of 1 : SP\_2016\_RD0349\_204\_12\_20160223\_00005.jpg



Looking downstream at levee mile 1.55 unauthorized block wall placed on landward levee section, no CVFPB Permit.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.56	Rating **	U	Issue No.	13
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.305450 °	38.305162 °
				-121.574687 °	-121.574750 °
DWR ID	DWR_RD0349_01_f_2014_13				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
This Arundo present on the waterward section is blocking the view of the levee section.					

Photo 1 of 1 : SP\_2016\_RD0349\_204\_13\_20160223\_00006.jpg



Unsatisfactory arundo completely covering the waterside shoulder and slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2016 Levee Inspection Results**

**Reclamation District No. 0349 Sutter Island**

Waterway			Bank	Unit Miles
Unit No. 02 Steamboat Slough			Right	4.32
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/5/2016 - 4/5/2016			
DWR Inspector	Herman Phillips			
Accompanied By	Mr. Fred Wheeler RD 349			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	97
LM End	0.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.305124 °	38.305124 °
				-121.574772 °	-121.574772 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:46168  
DS\_ID:25096  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: Need to identify permit for crossing.  
FIELD\_STRUCT\_DESC: 2-inch waterline through the levee at an unknown depth below crown. Pipe provides service to bridge and beach (per landowner).  
FS Date: 4/9/2015

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>97 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_46168\_74542.jpg



Cut in pavement good indicator of pipe location.

Photo 2 of 2 : UCIP\_SP\_2016\_46168\_74543.jpg



Christy box on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.01	Rating **	U	Issue No.	4
LM End	0.01	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.304870 °	38.304870 °
				121.574730 °	121.574730 °
DWR ID	DWR_RD0349_02_s_2012_4				
Comment Code					
BU : Building					
Inspector Comment					
This encroachment is along the waterward shoulder and was not authorized by the CVFPB. There are multiple encroachments at this site. Owner was working with CVFPB to get permits as of 11-2013. This issue is still pending as of 2016.					

LM Start	<b>0.01</b>	Rating **	U	Issue No.	<b>4 (cont)</b>
LM End	<b>0.01</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : SP\_2016\_RD0349\_205\_4\_20160223\_00005.jpg



Unauthorized building waterside shoulder; Unit 2 Sutter Slough.

Photo 2 of 2 : SP\_2016\_RD0349\_205\_4\_20160223\_00006.jpg



Unauthorized fence adjacent to building waterside Sutter Slough.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.04	Rating **	M	Issue No.	98
LM End	0.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.304885 °	38.304885 °
				-121.575369 °	-121.575369 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:46169  
DS\_ID:25098  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Appears abandoned and if so should be done so properly. Need to identify permit.  
FIELD\_STRUCT\_DESC: 1-inch waterline through the levee 1.5-feet below the crown. Pipe visible at fence on WS slope.  
FS Date: 4/9/2015

LM Start	<b>0.04</b>	Rating **	M	Issue No.	<b>98 (cont)</b>
LM End	<b>0.04</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_SP\_2016\_46169\_74545.jpg



Pipe visible at base of fence on WS shoulder.

Photo 2 of 2 : UCIP\_SP\_2016\_46169\_74546.jpg



Fence on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Spring 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.05	Rating **	M	Issue No.	42
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304863 °	38.304780 °
				-121.575475 °	-121.576180 °
DWR ID	DWR_RD0349_02_s_2016_42				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the weeds on the shoulder and slope.					

Looking downstream from levee mile 0.05 weeds present on the slope and shoulder.

LM Start	0.05	Rating **	U	Issue No.	44
LM End	0.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304863 °	38.299367 °
				-121.575475 °	-121.581493 °
DWR ID	DWR_RD0349_02_s_2016_44				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Unwanted tall weeds present on the water side slope .					

Looking downstream from the waterside shoulder levee mile 0.05.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable            C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                      A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.08	Rating **	U	Issue No.	52
LM End	0.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304780 °	38.303738 °
				-121.576180 °	-121.577828 °
DWR ID	DWR_RD0349_02_f _ 2015_52				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the tall weeds and vegetation from the levee slope.					

Photo 1 of 1 : SP\_2016\_RD0349\_205\_52\_20160223\_00014.jpg



Looking downstream from landside shoulder at tall snapgrass and other vegetation on slope.

LM Start	0.10	Rating **	M	Issue No.	88
LM End	0.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.304606 °	38.304606 °
				-121.576323 °	-121.576323 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21576 DS_ID:24145 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to determine if crossing is in use. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: Abandoned 10-inch pipe through the levee, 6.0 feet below the crown. Pump and slide gate on the waterward slope. Concrete pipe riser and distribution box at the landward toe. Service pole and anchor on the landward slope. FS Date: 3/18/2009					

Photo 1 of 2 : UCIP\_SP\_2016\_21576\_36593.jpg



Dense vegetation on waterward slope--2 pipes and 1 conduit.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.10	Rating **	M	Issue No.	88 (cont)	
LM End	0.10	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.304606 °	38.304606 °	
				-121.576323 °	-121.576323 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:21576 DS_ID:24145 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to determine if crossing is in use. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: Abandoned 10-inch pipe through the levee, 6.0 feet below the crown. Pump and slide gate on the waterward slope. Concrete pipe riser and distribution box at the landward toe. Service pole and anchor on the landward slope. FS Date: 3/18/2009						

Photo 2 of 2 : UCIP\_SP\_2016\_21576\_36592.jpg



Pipes through levee at waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.10	Rating **	M	Issue No.	89	
LM End	0.10	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.304606 °		38.304606 °
				-121.576323 °		-121.576323 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:21577						
DS_ID:24146						
EP_NO: 2480						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope.						
Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to determine if crossing is in use. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.						
FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 6.0 feet below the crown. Pump and slide gate on the waterward slope.						
Concrete pipe riser and distribution box with gate valve at the landward toe. Service pole and anchor on the landward slope. (Permit No. 2480-1959)						
FS Date: 3/18/2009						

LM Start	<b>0.10</b>	Rating **	M	Issue No.	<b>89 (cont)</b>
LM End	<b>0.10</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_21577\_36597.jpg



Dense vegetation on waterward slope-2 pipes and 1 conduit.

Photo 2 of 2 : UCIP\_SP\_2016\_21577\_36596.jpg



View of waterward side--pump and raised platform.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	<b>0.11</b>	Rating **	M	Issue No.	<b>46</b>
LM End	<b>0.11</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.304450 °	38.304450 °	
			-121.576562 °	-121.576562 °	
DWR ID	DWR_RD0349_02_s_2016_46				
Comment Code					
EQ : Equipment					
Inspector Comment					

No Photos

LM Start	<b>0.12</b>	Rating **	M	Issue No.	<b>6</b>
LM End	<b>0.12</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.304443 °	38.304443 °	
			-121.576687 °	-121.576687 °	
DWR ID	DWR_RD0349_02_f_2013_6				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.13	Rating **	M	Issue No.	93
LM End	0.13	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.304345 °	38.304345 °
				-121.576824 °	-121.576824 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:21613  
DS\_ID:24147  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: 3-inch pipe through the levee, 3.3 feet below the crown. Gate valve on landward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.1).  
FS Date: 3/18/2009

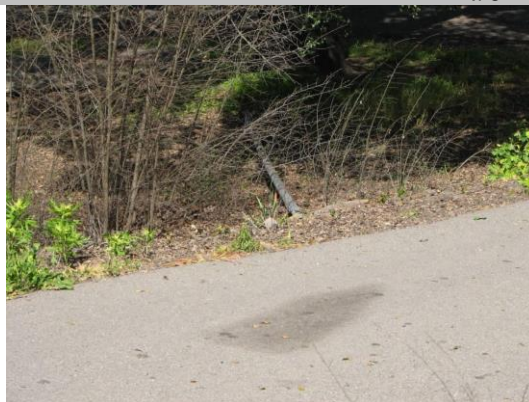
LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>93 (cont)</b>
LM End	<b>0.13</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_21613\_36685.jpg



Underground service alert (USA) marking on levee crown.

Photo 2 of 2 : UCIP\_SP\_2016\_21613\_36687.jpg



View of crossing on landward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.16	Rating **	M	Issue No.	73
LM End	0.16	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.304117 °	38.304117 °
				-121.577263 °	-121.577263 °
DWR ID	DWR_RD0349_02_s_2014_73				
Comment Code					
MA : Material					
Inspector Comment					

No Photos

LM Start	0.21	Rating **	M	Issue No.	7
LM End	0.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.303673 °	38.303303 °
				-121.578065 °	-121.578695 °
DWR ID	DWR_RD0349_02_s_2012_7				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	0.27	Rating **	U	Issue No.	68
LM End	0.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.303122 °	38.303043 °
				-121.579010 °	-121.579079 °
DWR ID	DWR_RD0349_02_f_2015_68				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Remove the arundo from the landside slope and toe.					

Photo 1 of 1 : SP\_2016\_RD0349\_205\_68\_20160223\_00018.jpg



Landside levee slope and toe covered with arundo from levee mile 0.27-0.28.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.28	Rating **	M	Issue No.	94
LM End	0.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.303072 °	38.303072 °
				-121.579066 °	-121.579066 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21614 DS_ID:24148 EP_NO: 12006 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Altered crossing--contact owner to obtain new permit authoring work. Debris remains on site. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 4.0 feet below the crown. 3-inch conduit through levee to service pump. Steel cutoff wall around pipe at center of levee. Siphon breaker in concrete riser at landward shoulder. Gate valve on landward side. Pump on concrete pad on waterward slope. Discharge structure at landward toe. (Permit No. 12006-1977) FS Date: 3/18/2009					

Photo 1 of 2 : UCIP\_SP\_2016\_21614\_36691.jpg



View of landward side--unable to inspect.

LM Start	<b>0.28</b>	Rating **	M	Issue No.	<b>94 (cont)</b>
LM End	<b>0.28</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_SP\_2016\_21614\_36690.jpg



Crossing has been altered--abandoned pipe through levee slope remains.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.34	Rating **	M	Issue No.	9
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.302358 °	38.301772 °
				-121.579707 °	-121.580093 °
DWR ID	DWR_RD0349_02_s _ 2016_9				
Comment Code					
Inspector Comment					
2007 - Slow erosion, probably due to wave wash and fluvial erosion. Site has likely been here for awhile but was unseen due to boats parked in front. 2015: Large tree popout, scarp reaches crown of levee. [2015 Site ID: STM_25-8_R]					

Photo 1 of 1 : SP\_2016\_RD0349\_205\_9\_20160223\_00007.jpg



USACE 2013 Photo #1

LM Start	0.45	Rating **	M	Issue No.	49
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.300990 °	38.300853 °
				-121.580678 °	-121.580748 °
DWR ID	DWR_RD0349_02_s _ 2016_49				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	0.57	Rating **	M	Issue No.	62
LM End	3.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.299367 °	38.262782 °
				-121.581490 °	-121.591812 °
DWR ID	DWR_RD0349_02_f _ 2014_62				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.57	Rating **	M	Issue No.	95
LM End	0.57	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.299353 °	38.299353 °
				-121.581525 °	-121.581525 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:21615  
DS\_ID:24149  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Need to contact owner (Permit No. 3678) to determine if crossing is still in use. If crossing is not in use will need to coordinate with DWR Inspector and CVFPB to remove pipe according to Title 23 requirements. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: 6-inch irrigation pipe through the levee, 2.5 feet below the crown. Pump on waterward slope. Service pole at landward shoulder. 3-inch conduit through levee to service pump. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.6). Pump replaced and placed on concrete pad on waterward slope under Permit No. 3678 (1961).  
FS Date: 3/18/2009

LM Start	<b>0.57</b>	Rating **	M	Issue No.	<b>95 (cont)</b>
LM End	<b>0.57</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_SP\_2016\_21615\_36694.jpg



View of pipe and pump on waterward side.

Photo 2 of 2 : UCIP\_SP\_2016\_21615\_36695.jpg



View of landard shoulder--service pole and pipe section through slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

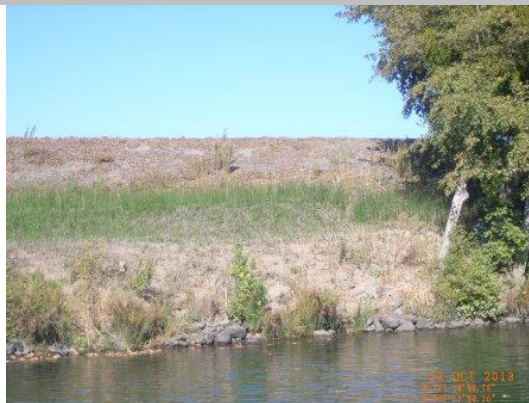
**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.60	Rating **	M	Issue No.	13
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.298897 °	38.297384 °
				-121.581571 °	-121.582176 °
DWR ID	DWR_RD0349_02_s_2016_13				
Comment Code					
Inspector Comment					
2010 - Small maintenance, erosion into the toe. 2011 - Minor new erosion at toe. 2015: Minor new erosion at toe, new tree popout. [2015 Site ID: STM_25-5_R]					

Photo 1 of 1 : SP\_2016\_RD0349\_205\_13\_20160223\_00010.jpg



USACE 2013 Photo #1

LM Start	0.78	Rating **	U	Issue No.	51
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.296543 °	38.296543 °
				-121.582612 °	-121.582612 °
DWR ID	DWR_RD0349_02_s_2016_51				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the unwanted young willow trees from the levee slope landside.					

Photo 1 of 1 : SP\_2016\_RD0349\_205\_51\_20160411\_00079.jpg



Looking downstream from levee mile 0.78 young tall willow trees present on the slope.

LM Start	0.82	Rating **	M	Issue No.	67
LM End	0.83	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.296005 °	38.295862 °
				-121.582838 °	-121.582900 °
DWR ID	DWR_RD0349_02_s_2012_67				
Comment Code					
MA : Material					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.83	Rating **	M	Issue No.	12
LM End	0.89	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295753 °	38.294985 °
				-121.582838 °	-121.583147 °
DWR ID	DWR_RD0349_02_s _ 2012_12				
Comment Code					
V6 : Landscaping					
Inspector Comment					
The landscaping should be maintained.					

No Photos

LM Start	0.84	Rating **	M	Issue No.	53
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295642 °	38.289060 °
				-121.582915 °	-121.584043 °
DWR ID	DWR_RD0349_02_s _ 2016_53				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.86	Rating **	M	Issue No.	17
LM End	0.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.295352 °	38.295352 °
				-121.583047 °	-121.583047 °
DWR ID	DWR_RD0349_02_f _ 2013_17				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.00	Rating **	U	Issue No.	79
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.293383 °	38.292592 °
				-121.583570 °	-121.583861 °
DWR ID	DWR_RD0349_02_s_2014_79				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
There is some erosion present under this brush pile The district needs to bring in some material to make repairs as needed.					

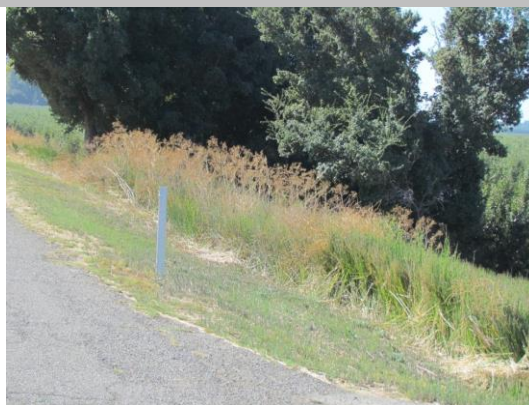
Photo 1 of 1 : SP\_2016\_RD0349\_205\_79\_20160223\_00021.jpg



Under the brush pile is some erosion along the landside slope.

LM Start	1.07	Rating **	U	Issue No.	14
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292457 °	38.289063 °
				-121.583898 °	-121.584057 °
DWR ID	DWR_RD0349_02_f_2015_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the snap grass from the landward slope.					

Photo 1 of 1 : SP\_2016\_RD0349\_205\_14\_20160223\_00011.jpg



Looking downstream from levee mile 1.07 to 1.30 snap grasses covering landward slope.

LM Start	1.31	Rating **	M	Issue No.	18
LM End	1.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.288913 °	38.288745 °
				-121.583933 °	-121.583938 °
DWR ID	DWR_RD0349_02_s_2012_18				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.33	Rating **	U	Issue No.	10
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.288727 °	38.286475 °
				-121.583823 °	-121.585026 °
DWR ID	DWR_RD0349_02_s_2016_10				
Comment Code					
Inspector Comment					
1997 - Erosion of very sandy levee behind large stand of riparian vegetation on top right bank. Dry ravel of sand. 1999 - Quarry waste rock was dumped down the levee slope; poor repair job; still eroding in places. Eroding at midslope off fabric. 2005 - Length revised, only the middle 150 - 200 ft are eroding. 2006 - Some rock/small material dumped down the bank but it is slowly unraveling. Upstream end is unraveling faster. Steep slope with poor gradation so fines are washing out. 2010 - Lots of overhanging trees and erosion pockets. 2011 - This site is upgraded to CRITICAL. Near vertical bank at the downstream end. New erosion at various locations throughout the site. 2015: No observed changes. [2015 Site ID: STM_24-7_R]					

Photo 1 of 1 : SP\_2016\_RD0349\_205\_10\_20160223\_00008.jpg



USACE 2013 Photo #1

LM Start	1.33	Rating **	U	Issue No.	56
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.288718 °	38.275795 °
				-121.584042 °	-121.591430 °
DWR ID	DWR_RD0349_02_s_2016_56				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Remove this unwanted woody tree growth and wild vegetation from the levee slope landward.					

Photo 1 of 1 : SP\_2016\_RD0349\_205\_56\_20160411\_00080.jpg



Looking downstream from levee mile 1.33 woody tree growth on the slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.38	Rating **	M	Issue No.	86
LM End	1.38	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.287925 °	38.287925 °
				-121.584063 °	-121.584063 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:21606  
DS\_ID:24154  
EP\_NO: 6274  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Crossing appears to have been altered--recommend coordinating with owner to determine records for crossing. Will need permit issued for pipe install. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: 12-inch pipe through the levee, 3.0 feet below the crown. Cutoff wall around pipe at waterward shoulder. Siphon breaker at landward shoulder. Air vent and pressure breaker on waterward slope. Slant pump on the waterward slope. Concrete distribution box at landward toe. (Permit No. 6274-1974)  
FS Date: 3/18/2009

LM Start	<b>1.38</b>	Rating **	M	Issue No.	<b>86 (cont)</b>
LM End	<b>1.38</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_21606\_36655.jpg



View of abandoned framing located on river's edge.

Photo 2 of 2 : UCIP\_SP\_2016\_21606\_36654.jpg



Smaller pipe sleeved through larger pipe that goes through levee.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.62	Rating **	M	Issue No.	87
LM End	1.62	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.285573 °	38.285573 °
				-121.586986 °	-121.586986 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21607 DS_ID:24155 EP_NO: 1116 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 4.7 feet below the crown. Two concrete cutoff walls under each shoulder. Pressure breaker in concrete riser at levee shoulder. Pump on waterward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.7). Pipe reconstructed under Permit No. 1116 (1974). FS Date: 3/18/2009					

LM Start	<b>1.62</b>	Rating **	M	Issue No.	<b>87 (cont)</b>
LM End	<b>1.62</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_21607\_36661.jpg



View of waterward side.

Photo 2 of 2 : UCIP\_SP\_2016\_21607\_36659.jpg



Pipe at the waterward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.83	Rating **	M	Issue No.	91
LM End	1.83	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.283238 °	38.283238 °
				-121.589337 °	-121.589337 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:21608  
DS\_ID:24156  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: 10-inch pipe through the levee, 3.9 feet below the crown. Siphon breaker in concrete riser on the landward shoulder. Pump and gate valve in pumphouse on the waterward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.9).  
FS Date: 3/18/2009

LM Start	<b>1.83</b>	Rating **	M	Issue No.	<b>91 (cont)</b>
LM End	<b>1.83</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_21608\_36662.jpg



View of pipe on waterward slope.

Photo 2 of 2 : UCIP\_SP\_2016\_21608\_36663.jpg



View of pipe daylight at shed on waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	2.04	Rating **	M	Issue No.	19
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.280069 °	38.279919 °
				-121.589443 °	-121.589438 °
DWR ID	DWR_RD0349_02_s_2016_19				
Comment Code					
Inspector Comment					
2011 - Small scallop caused by erosion and wave wash. 2015: No observed changes. [2015 Site ID: STM_24-1_R]					

Photo 1 of 1 : SP\_2016\_RD0349\_205\_19\_20160223\_00013.jpg



USACE 2013 Photo #1

LM Start	2.11	Rating **	M	Issue No.	16
LM End	2.14	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.279017 °	38.278597 °
				-121.589615 °	-121.589854 °
DWR ID	DWR_RD0349_02_s_2016_16				
Comment Code					
Inspector Comment					
1997 - Top right bank has retreated into the levee. Site is between two rock sites. 1999 - Downstream half of the reach repaired with rock. 2000 - Trees leaning into the water. 2010 - Site appears worse. 2011 - New erosion at the toe. 2013 - Short vertical sections observed at upstream end. 2015: Minor new erosion. [2015 Site ID: STM_23-9_R]					

Photo 1 of 1 : SP\_2016\_RD0349\_205\_16\_20160223\_00012.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	2.15	Rating **	M	Issue No.	90
LM End	2.15	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.278682 °	38.278682 °
				-121.590104 °	-121.590104 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:21609  
DS\_ID:24157  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Debris scattered--need to contact owner. If crossing is not in used will need to coordinate with DWR Inspector and CVFPB to remove per Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD\_STRUCT\_DESC: 8-inch pipe sleeved through 12-inch pipe through the levee, 4.0 feet below the crown. Annular gap not grouted. Service pole on the waterward shoulder. Pump on the waterward side. Concrete distribution box at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.3).  
FS Date: 3/18/2009

LM Start	<b>2.15</b>	Rating **	M	Issue No.	<b>90 (cont)</b>
LM End	<b>2.15</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_SP\_2016\_21609\_36668.jpg



Inside view of distribution box located on landward side.

Photo 2 of 2 : UCIP\_SP\_2016\_21609\_36667.jpg



Debris along pipe alignment.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	2.36	Rating **	U	Issue No.	64
LM End	4.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275795 °	38.254703 °
				-121.591428 °	-121.599703 °
DWR ID	DWR_RD0349_02_s_2016_64				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The wild weeds on the landside slope and toe needs to be maintained.					

Photo 1 of 1 : SP\_2016\_RD0349\_205\_64\_20160511\_00087.jpg



RD 349 Unit 2 looking downstream from levee mile 2.36 to 4.30 at tall grasses and other wild growth on the slope and toe.

LM Start	2.39	Rating **	M	Issue No.	96
LM End	2.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275493 °	38.275493 °
				-121.591208 °	-121.591208 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39873 DS_ID:24158 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limit the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Pump on pile structure on waterward side, walkway to pump. Concrete distribution box and power pole with anchor at landward toe. Concrete standpipe on landward side. (Permit No. 946, 1944). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.5). FS Date: 3/18/2009					

Photo 1 of 2 : UCIP\_SP\_2016\_39873\_36678.jpg



View of waterward side--pump and control panel located on raised platform.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	2.39	Rating **	M	Issue No.	96 (cont)	
LM End	2.39	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.275493 °	38.275493 °	
				-121.591208 °	-121.591208 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:39873 DS_ID:24158 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limit the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Pump on pile structure on waterward side, walkway to pump. Concrete distribution box and power pole with anchor at landward toe. Concrete standpipe on landward side. (Permit No. 946, 1944). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.5). FS Date: 3/18/2009						

Photo 2 of 2 : UCIP\_SP\_2016\_39873\_36676.jpg



Overview of waterward side--dense vegetation limits slope inspection.

LM Start	2.39	Rating **	U	Issue No.	1
LM End	2.39	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.275403 °	38.275403 °
				-121.591229 °	-121.591229 °
DWR ID	DWR_RD0349_02_f_2013_1				
Comment Code					
ST : Stairway					
Inspector Comment					
The landowner has installed steps on the waterside slope and has an unauthorized boat dock anchored to the waterside slope.					

Photo 1 of 2 : SP\_2016\_RD0349\_205\_1\_20160422\_00083.jpg



Metal steps and boat dock levee mile 2.39.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	2.39	Rating **	U	Issue No.	1 (cont)	
LM End	2.39	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.275403 °		38.275403 °
				-121.591229 °		-121.591229 °
DWR ID	DWR_RD0349_02_f_2013_1					
Comment Code						
ST : Stairway						
Inspector Comment						
The landowner has installed steps on the waterside slope and has an unauthorized boat dock anchored to the waterside slope.						

Photo 2 of 2 : SP\_2016\_RD0349\_205\_1\_20160422\_00084.jpg



Unauthorized metal steps on the waterside slope levee mile 2.39.

LM Start	2.56	Rating **	M	Issue No.	3
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.273854 °	38.271998 °
				-121.588745 °	-121.589424 °
DWR ID	DWR_RD0349_02_s_2016_3				
Comment Code					
Inspector Comment					
2011 - Toe scour at the tidal zone. 2015: New tree popout and minor new erosion. [2015 Site ID: STM_23-6_R]					

Photo 1 of 2 : SP\_2016\_RD0349\_205\_3\_20160223\_00003.jpg



USACE 2013 Photo #1

LM Start	<b>2.56</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>2.69</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2016\_RD0349\_205\_3\_20160223\_00004.jpg



USACE 2013 Photo #2

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	2.62	Rating **	M	Issue No.	78
LM End	2.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.272960 °	38.272960 °
				-121.589048 °	-121.589048 °
DWR ID	DWR_RD0349_02_f_2015_78				
Comment Code					
GA : Garbage					
Inspector Comment					

No Photos

LM Start	2.93	Rating **	M	Issue No.	100
LM End	2.93	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.268674 °	38.268674 °
				-121.589419 °	-121.589419 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44328 DS_ID:24159 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: Abandoned 6-inch pipe through the levee, 1.5 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.1). FS Date: 4/8/2015					

Photo 1 of 2 : UCIP\_SP\_2016\_44328\_73707.jpg



Pipe visible in water at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

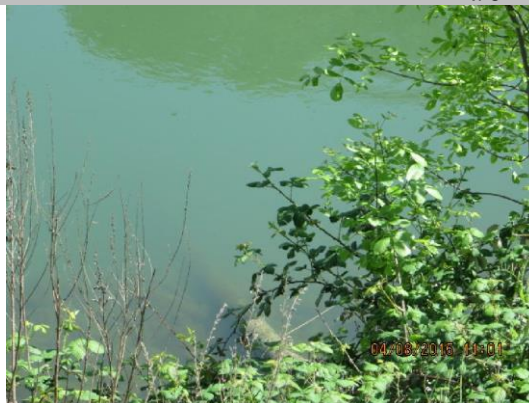
**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	2.93	Rating **	M	Issue No.	100 (cont)	
LM End	2.93	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.268674 °	38.268674 °	
				-121.589419 °	-121.589419 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44328						
DS_ID:24159						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears abandoned and should be done so properly.						
FIELD_STRUCT_DESC: Abandoned 6-inch pipe through the levee, 1.5 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.1).						
FS Date: 4/8/2015						

Photo 2 of 2 : UCIP\_SP\_2016\_44328\_73706.jpg



Pipe visible in water at WS toe.

LM Start	3.00	Rating **	M	Issue No.	66
LM End	3.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.267710 °	38.267280 °
				-121.588828 °	-121.588613 °
DWR ID	DWR_RD0349_02_s_2016_66				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.02	Rating **	U	Issue No.	101
LM End	3.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267471 °	38.267471 °
				-121.588659 °	-121.588659 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:44331  
DS\_ID:24160  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: Pipe visible on WS slope and appears to be open. Pipe needs to be properly abandoned or verified as having been done so properly.  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 8-inch pipe through the levee, 3.7 feet below the crown. Pump on concrete blocks on the waterward slope. (Permit No. 655-1935). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.2). Pipe removed from slopes under Permit No. 5350 when new pipe was installed in 1966 . Pipe section through crown appears to have been left in place.  
FS Date: 4/8/2015

LM Start	<b>3.02</b>	Rating **	U	Issue No.	<b>101 (cont)</b>
LM End	<b>3.02</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_44331\_73709.jpg



Abandoned pipe visible on slope in vegetation behind new pipe on WS slope.

Photo 2 of 2 : UCIP\_SP\_2016\_44331\_73708.jpg



Abandoned pipe visible on slope in vegetation behind new pipe on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.02	Rating **	M	Issue No.	102
LM End	3.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267453 °	38.267453 °
				-121.588668 °	-121.588668 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:44332  
DS\_ID:24199  
EP\_NO: 5350  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Need to contact owner to determine if crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Debris scattered on slopes--remove. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to determine if crossing is in use. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: 6-inch steel pipe and 2-inch iron electrical conduit through the levee, both 3.7 feet below the crown. Siphon breaker in pipe riser on waterward slope. Pump, switch panel, and butterfly valve on concrete blocks on the waterward slope. Service pole on landward slope (Permit No. 5350-1966).  
FS Date: 4/8/2015

LM Start	<b>3.02</b>	Rating **	M	Issue No.	<b>102 (cont)</b>
LM End	<b>3.02</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_44332\_36679.jpg



View of waterward side--control panel, pipe, pump, and butterfly valve on WS slope.

Photo 2 of 2 : UCIP\_SP\_2016\_44332\_36681.jpg



Pipe and Steel riser on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.15	Rating **	M	Issue No.	99
LM End	3.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.265608 °	38.265608 °
				-121.588391 °	-121.588391 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46172 DS_ID:25099 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be verified as having been done so properly. FIELD_STRUCT_DESC: Abandoned 6-inch pipe through the levee, 4.5 feet below the crown. Service pole at landward toe. FS Date: 4/2/2015					

Photo 1 of 2 : UCIP\_SP\_2016\_46172\_74553.jpg



Pipe just visible on LS slope.

Photo 2 of 2 : UCIP\_SP\_2016\_46172\_74554.jpg



View of WS from shoulder at crossing. Pipe not found on WS.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.31	Rating **	M	Issue No.	103
LM End	3.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.263359 °	38.263359 °
				-121.588721 °	-121.588721 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44333					
DS_ID:24161					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: Abandoned 6-inch pipe through the levee, 4.5 feet below the crown. Pump and switch panel on the waterward slope. Service pole and concrete distribution box at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 3.5).					
FS Date: 4/8/2015					

LM Start	3.31	Rating **	M	Issue No.	103 (cont)
LM End	3.31	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_44333\_73713.jpg



Pipe, distribution box, and power pole visible on LS slope/toe.

Photo 2 of 2 : UCIP\_SP\_2016\_44333\_73712.jpg



distribution box and pipe visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.38	Rating **	M	Issue No.	11
LM End	3.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.262510 °	38.262533 °
				-121.589481 °	-121.591690 °
DWR ID	DWR_RD0349_02_s_2016_11				
Comment Code					
Inspector Comment					
2010 - Slumping sections on the lower bank, appears to be scouring around the trees. 2011 - Soil beach at toe. 2015: No observed changes. [2015 Site ID: STM_22-8_R]					

Photo 1 of 1 : SP\_2016\_RD0349\_205\_11\_20160223\_00009.jpg



USACE 2013 Photo #1

LM Start	3.58	Rating **	U	Issue No.	84
LM End	4.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262588 °	38.254733 °
				-121.593328 °	-121.599963 °
DWR ID	DWR_RD0349_02_f_2015_84				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the snap grasses from the waterside levee slope.					

Photo 1 of 1 : SP\_2016\_RD0349\_205\_84\_20160223\_00022.jpg



Tall snap grasses covering the waterward slope.

LM Start	3.70	Rating **	M	Issue No.	45
LM End	3.71	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.261403 °	38.261330 °
				-121.594932 °	-121.595022 °
DWR ID	DWR_RD0349_02_s_2012_45				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.72	Rating **	M	Issue No.	22
LM End	3.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.261111 °	38.261001 °
				-121.595062 °	-121.595052 °
DWR ID	DWR_RD0349_02_s_2012_22				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	3.75	Rating **	M	Issue No.	80
LM End	3.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.260787 °	38.260787 °
				-121.595205 °	-121.595210 °
DWR ID	DWR_RD0349_02_s_2016_80				
Comment Code					
EQ : Equipment					
Inspector Comment					
Remove the equipment from the land side slope.					

No Photos

LM Start	3.76	Rating **	U	Issue No.	59
LM End	3.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.260596 °	38.258426 °
				-121.592160 °	-121.595125 °
DWR ID	DWR_RD0349_02_f_2013_59				
Comment Code					
FE : Fence					
Inspector Comment					
Inside the fenced off area are several pet shelters and pens for chickens and goats on the landside levee slope and toe. This need to be taken off the levee section. In the event of a flood fight this area would cause delays in response time.					

Photo 1 of 4 : SP\_2016\_RD0349\_205\_59\_20160223\_00015.jpg



Unauthorized electric wire fence installed along the shoulder and levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.76	Rating **	U	Issue No.	59 (cont)	
LM End	3.91	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.260596 °	38.258426 °	
				-121.592160 °	-121.595125 °	
DWR ID	DWR_RD0349_02_f_2013_59					
Comment Code						
FE : Fence						
Inspector Comment						
Inside the fenced off area are several pet shelters and pens for chickens and goats on the landside levee slope and toe. This need to be taken off the levee section. In the event of a flood fight this area would cause delays in response time.						

LM Start	<b>3.76</b>	Rating **	U	Issue No.	<b>59 (cont)</b>
LM End	<b>3.91</b>	Issue Type +	En	Location *	LS

Photo 2 of 4 : SP\_2016\_RD0349\_205\_59\_20160223\_00016.jpg



Unauthorized electric wire fence, solid board fence and animal storages within the 10-foot easement landside levee toe.

Photo 3 of 4 : SP\_2016\_RD0349\_205\_59\_20160422\_00086.jpg



Unauthorized animal storage pens within the landside easement.

LM Start	<b>3.76</b>	Rating **	U	Issue No.	<b>59 (cont)</b>
LM End	<b>3.91</b>	Issue Type +	En	Location *	LS

Photo 4 of 4 : SP\_2016\_RD0349\_205\_59\_20160422\_00085.jpg



Unauthorized electric fence installed along the landside shoulder and slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.80	Rating **	M	Issue No.	92
LM End	3.80	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.260007 °	38.260007 °
				-121.595273 °	-121.595273 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:21612  
DS\_ID:24162  
EP\_NO: 8188  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to determine if crossing is in use. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: 12-inch steel irrigation pipe and 1.25-inch electrical conduit through the levee, both 5.0 feet below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker on shoulder. Pump and pumphouse on the waterward side. Service pole, discharge box and concrete standpipe at landward toe. (Permit No. 8188-1973)  
FS Date: 3/18/2009

LM Start	<b>3.80</b>	Rating **	M	Issue No.	<b>92 (cont)</b>
LM End	<b>3.80</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_21612\_36684.jpg



Overview of waterward side--2 crossings.

Photo 2 of 2 : UCIP\_SP\_2016\_21612\_36682.jpg



View of crossing on waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.81	Rating **	M	Issue No.	85
LM End	3.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.259882 °	38.257252 °
				-121.595245 °	-121.595403 °
DWR ID	DWR_RD0349_02_f_2015_85				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Exterminate the rodents from the levee section.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2016 Levee Inspection Results**

**Reclamation District No. 0349 Sutter Island**

Waterway			Bank	Unit Miles
Unit No. 03 Sutter Slough			Left	6.50
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/5/2016 - 4/5/2016			
DWR Inspector	Herman Phillips			
Accompanied By	Mr. Fred Wheeler RD 349			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	51
LM End	1.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254733 °	38.276008 °
				-121.599963 °	-121.601003 °
DWR ID	DWR_RD0349_03_f_2015_51				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the unwanted wild growth from the landside levee slope and toe.					

Photo 1 of 1 : SP\_2016\_RD0349\_206\_51\_20160510\_00076.jpg



Looking downstream from levee mile 0.00-1.53 landside slope and shoulder.

LM Start	0.00	Rating **	M	Issue No.	37
LM End	1.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254707 °	38.271910 °
				-121.600068 °	-121.603360 °
DWR ID	DWR_RD0349_03_s_2016_37				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the annual grasses and weeds on the waterside slope.					

No Photos

LM Start	0.30	Rating **	M	Issue No.	59
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.259081 °	38.259081 °
				-121.600046 °	-121.600046 °
DWR ID	DWR_RD0349_03_s_2014_59				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limb from the landside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.69	Rating **	U	Issue No.	53
LM End	0.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.264615 °	38.266097 °
				-121.601382 °	-121.601822 °
DWR ID	DWR_RD0349_03_f_2015_53				
Comment Code					
FE : Fence					
Inspector Comment					
Remove the unauthorized electric fence from the landside shoulder and slope.					

Photo 1 of 1 : SP\_2016\_RD0349\_206\_53\_20160223\_00004.jpg



Unauthorized electric wire fence on the shoulder and slope landside.

LM Start	0.77	Rating **	M	Issue No.	977
LM End	0.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.265751 °	38.265751 °
				-121.601655 °	-121.601655 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43442 DS_ID:24163 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to find owner and notify of pipe deterioration. Owner will need to replace or remove per CVFPB Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 2.4 feet below the crown. Pump and gate valve in a pumphouse at the landward toe. Concrete standpipe on landward side. FS Date: 3/19/2009					

Photo 1 of 2 : UCIP\_SP\_2016\_43442\_36707.jpg



View of waterward side--portion of pipe exposed on slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.77	Rating **	M	Issue No.	977 (cont)	
LM End	0.77	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.265751 °	38.265751 °	
				-121.601655 °	-121.601655 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:43442						
DS_ID:24163						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to find owner and notify of pipe deterioration.						
Owner will need to replace or remove per CVFPB Title 23 requirements.						
Dense vegetation limits the inspector's visibility to identify signs of pipe						
failure (leaks) through the levee slopes. Recommend removing						
vegetation along pipe alignment to conduct proper inspection of						
structure and appurtenances. Note date on photos should be 3/18/09						
not 7/26/08 camera metadata is incorrect.						
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee,						
2.4 feet below the crown. Pump and gate valve in a pumphouse at the						
landward toe. Concrete standpipe on landward side.						
FS Date: 3/19/2009						

Photo 2 of 2 : UCIP\_SP\_2016\_43442\_36706.jpg



Pump house located at the landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.91	Rating **	M	Issue No.	975
LM End	0.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267620 °	38.267620 °
				-121.602458 °	-121.602458 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:21673  
DS\_ID:24232  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: No records were found during initial desk study--need to contact owner to obtain permit number authorizing work. Unable to determine if filter system is part of crossing appurtenances. If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: 12-inch pipe through the levee, approximately 2.0 feet below the crown. Pipe changes diameter, 10-inch along both shoulders and 8-inch diameter exit on waterward side. Pipe exposed along both slopes. Pump on waterward side. Filtration system and power pole on landward side. Rock revetment on waterward slope.  
FS Date: 10/3/2013 9:42:00 AM

LM Start	<b>0.91</b>	Rating **	M	Issue No.	<b>975 (cont)</b>
LM End	<b>0.91</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_21673\_36851.jpg



View of waterward side--pipe and pump.

Photo 2 of 2 : UCIP\_SP\_2016\_21673\_36853.jpg



View of pipe crossing past pump station.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	0.97	Rating **	U	Issue No.	971
LM End	0.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.268393 °	38.268393 °
				-121.602911 °	-121.602911 °
DWR ID	DWR_RD0349_03_s_2012_971				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove dead tree from the landside levee slope. Thin out the woody tree growth so that the slope can be seen.					

Photo 1 of 1 : SP\_2016\_RD0349\_206\_971\_20160223\_00013.jpg



The dead tree listed in last inspection has not been completely removed, nor has the woody tree growth been thinned out.

LM Start	1.17	Rating **	M	Issue No.	987
LM End	1.17	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.271218 °	38.271218 °
				-121.603468 °	-121.603468 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44335					
DS_ID:24166					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe abandoned and should be done so properly or verified as having been done so properly.					
FIELD_STRUCT_DESC: 6-inch pipe through the levee, 4.5 feet below the crown. Pump and pumphouse no longer on the landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.2).					
FS Date: 4/9/2015					

Photo 1 of 2 : UCIP\_SP\_2016\_44335\_73721.jpg



Pipe visible on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.17	Rating **	M	Issue No.	987 (cont)	
LM End	1.17	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.271218 °	38.271218 °	
				-121.603468 °	-121.603468 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44335						
DS_ID:24166						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe abandoned and should be done so properly or verified as having been done so properly.						
FIELD_STRUCT_DESC: 6-inch pipe through the levee, 4.5 feet below the crown. Pump and pumphouse no longer on the landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.2).						
FS Date: 4/9/2015						

Photo 2 of 2 : UCIP\_SP\_2016\_44335\_73720.jpg



Pipe visible on LS slope.

LM Start	1.22	Rating **	U	Issue No.	54
LM End	1.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.271910 °	38.278318 °
				-121.603358 °	-121.600343 °
DWR ID	DWR_RD0349_03_f_2015_54				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the unwanted woody tree growth from the waterside levee section. No new picture.					

Photo 1 of 1 : SP\_2016\_RD0349\_206\_54\_20160223\_00005.jpg



Looking downstream from the waterside levee shoulder and slope woody tree growth blocking the view of the levee section.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.26	Rating **	M	Issue No.	985
LM End	1.26	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.272515 °	38.272515 °
				-121.603048 °	-121.603048 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47043 DS_ID:24169 EP_NO: 11744 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 1 of 2: 8-inch pipe through the levee, 3.7 feet below the crown. 8-inch pipe is reduced to 3-inch pipe on waterward side. Steel cutoff wall around pipe at center of levee. Siphon breaker at landward shoulder. Siphon breaker at landward shoulder. Slant pump on waterward side. Discharge structure at landward toe. Rock revetment on waterward slope. (Permit No. 11744-1976) FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_SP\_2016\_47043\_36864.jpg



View of pipe, control panel, and stairs. 2 pipes go through levee 14-inch and 8-inch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.26	Rating **	M	Issue No.	984
LM End	1.26	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.272532 °	38.272532 °
				-121.603039 °	-121.603039 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:47042  
DS\_ID:24168  
EP\_NO: 11744  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: 2 of 2: 14-inch steel irrigation pipe and 2-inch electric conduit through the levee, both 4.4 feet below the crown. Reduced to 12-inch steel pipe under both levee slopes. Steel cutoff wall around pipe at center of levee. Siphon breaker at landward shoulder. Slant pump on waterward side with staircase access. Discharge structure at landward toe. Rock revetment on waterward slope. (Permit No. 11744-1976)  
FS Date: 3/19/2009

LM Start	<b>1.26</b>	Rating **	M	Issue No.	<b>984 (cont)</b>
LM End	<b>1.26</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_SP\_2016\_47042\_36856.jpg



Pump system located on waterward side.

Photo 2 of 2 : UCIP\_SP\_2016\_47042\_36857.jpg



Pipe reduced from 14-inch to 10-inch and conduit through levee.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.31	Rating **	N	Issue No.	63
LM End	1.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.273235 °	38.273235 °
				-121.602631 °	-121.602631 °
DWR ID	DWR_RD0349_03_s_2014_63				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	1.47	Rating **	U	Issue No.	64
LM End	1.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.275332 °	38.275332 °
				-121.601359 °	-121.601359 °
DWR ID	DWR_RD0349_03_s_2014_64				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Cut up tree on waterward berm. This tree reported during the fall inspection has not been removed from the water side berm.					

Photo 1 of 1 : SP\_2016\_RD0349\_206\_64\_20160223\_00006.jpg



Cut up fallen tree on waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.49	Rating **	M	Issue No.	979
LM End	1.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275532 °	38.275532 °
				-121.601225 °	-121.601225 °
DWR ID					

Comment Code
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Inspector Comment
FS_ID:43446 DS_ID:24229 EP_NO: 2954 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: [R.D. No. 349 Drainage Pumping Plant] 1 of 3: 18-inch pipe through the levee, 7.8 feet below the crown. Siphon breakers on waterward slope. Pumps on platform on landward side. FS Date: 3/19/2009

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>979 (cont)</b>
LM End	<b>1.49</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_SP\_2016\_43446\_36725.jpg



Aerial map showing alignment of 18-inch pipe.

Photo 2 of 2 : UCIP\_SP\_2016\_43446\_36726.jpg



View of all 3 pipes through levee and visible on waterward toe.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.49	Rating **	M	Issue No.	978
LM End	1.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275546 °	38.275546 °
				-121.601218 °	-121.601218 °
DWR ID					

Comment Code
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Inspector Comment
FS_ID:43445 DS_ID:24228 EP_NO: 2954 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: [R.D. No. 349 Drainage Pumping Plant] 2 of 3: 24-inch pipe through the levee, 7.8 feet below the crown. Siphon breakers on waterward slope. Pumps on platform on landward side. FS Date: 3/19/2009

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>978 (cont)</b>
LM End	<b>1.49</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_SP\_2016\_43445\_36730.jpg



Enter photo 5 description or comment here.

Photo 2 of 2 : UCIP\_SP\_2016\_43445\_36727.jpg



View of pipe on waterward side--pipe running. Siphon breaker visible on pipe.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.49	Rating **	M	Issue No.	972
LM End	1.49	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.275570 °	38.275570 °
				-121.601222 °	-121.601222 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:21632  
DS\_ID:24171  
EP\_NO: 2954  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: [R.D. No. 349 Drainage Pumping Plant] 3 of 3: 24-inch pipe through the levee, 7.8 feet below the crown. Metal cutoff wall around pipe at landward shoulder. Siphon breakers on waterward slope. Two anchor posts driven into levee on each side of pipe. Pumps on platform on landward side. (Permit No. 2954-1959)  
FS Date: 3/19/2009

LM Start	<b>1.49</b>	Rating **	M	Issue No.	<b>972 (cont)</b>
LM End	<b>1.49</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_SP\_2016\_21632\_36733.jpg



Aerial view of all 3 pipes through levee.

Photo 2 of 2 : UCIP\_SP\_2016\_21632\_36731.jpg



View of waterward side--2-24 inch pipes.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	1.92	Rating **	M	Issue No.	2
LM End	1.97	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.310959 °	38.311288 °
				-121.597748 °	-121.596972 °
DWR ID	DWR_RD0349_03_s_2016_2				
Comment Code					
Inspector Comment					
2015: Tall vertical sections into the levee slope and erosion along the toe. [2015 Site ID: STR_26-1_R]					

No Photos

LM Start	2.00	Rating **	M	Issue No.	974
LM End	2.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.282498 °	38.282498 °
				-121.601758 °	-121.601758 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21634 DS_ID:24173 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 8-inch pipe through the levee, 6.7 feet below the crown. Pump in pumphouse and concrete standpipe at the landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.1). FS Date: 3/19/2009					

Photo 1 of 2 : UCIP\_SP\_2016\_21634\_36739.jpg



View of landward side--pump house and stand pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	2.00	Rating **	M	Issue No.	974 (cont)
LM End	2.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.282498 °	38.282498 °
				-121.601758 °	-121.601758 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21634 DS_ID:24173 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 8-inch pipe through the levee, 6.7 feet below the crown. Pump in pumphouse and concrete standpipe at the landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.1). FS Date: 3/19/2009					

Photo 2 of 2 : UCIP\_SP\_2016\_21634\_36738.jpg



View of waterward side--dense vegetation limits inspection.

LM Start	2.07	Rating **	M	Issue No.	61
LM End	2.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.283288 °	38.288948 °
				-121.602622 °	-121.603282 °
DWR ID	DWR_RD0349_03_f_2015_61				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	2.52	Rating **	U	Issue No.	67
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.288948 °	38.291873 °
				-121.603282 °	-121.603645 °
DWR ID	DWR_RD0349_03_f _ 2015_67				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove this unsatisfactory wild growth of vegetation from the waterside shoulder and slope.					

Photo 1 of 1 : SP\_2016\_RD0349\_206\_67\_20160223\_00007.jpg



Looking downstream waterside shoulder and slope at unsatisfactory tall weeds and woody tree growth blocking the view of the levee section.

LM Start	2.56	Rating **	M	Issue No.	980
LM End	2.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.289633 °	38.289633 °
				-121.603313 °	-121.603313 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43423 DS_ID:24176 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner--If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: Abandoned 10-inch pipe through the levee, 8.2 feet below the crown. Pipe has plate welded on the waterward end. 3-inch galvanized pipe runs parallel to 10-inch pipe. Abandoned tank on waterward slope. Distribution box and concrete standpipe at landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.7). FS Date: 3/19/2009					

Photo 1 of 2 : UCIP\_SP\_2016\_43423\_36866.jpg



View of waterward side--dense vegetation covers slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	





## Levee Inspection Report By Mile - Spring 2016

# Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	2.77	Rating **	M	Issue No.	981
LM End	2.77	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.292557 °	38.292557 °
				-121.603767 °	-121.603767 °
DWR ID					

Comment Code

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FS\_ID:43424  
DS\_ID:24177  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 2007 Erosion Repair Site location?--Need to contact owner to determine if crossing is still in use. If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: Abandoned 8-inch pipe through the levee, 8.7 feet below the crown. Headwall and gate valve on the landward side.  
FS Date: 3/19/2009

LM Start	<b>2.77</b>	Rating **	M	Issue No.	<b>981 (cont)</b>
LM End	<b>2.77</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_SP\_2016\_43424\_36869.jpg



Waterward side--appears to be an erosion repair site. New pipe on waterward side and damaged pipe on landward side.

Photo 2 of 2 : UCIP\_SP\_2016\_43424\_36871.jpg



View of waterward side--headwall, pipe, and gate valve.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable            C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                      AWW : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	2.88	Rating **	U	Issue No.	992
LM End	2.88	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.294080 °	38.294080 °
				-121.604260 °	-121.604260 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44387 DS_ID:24178 EP_NO: 6321 Repair Type: Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Pipe open at LS toe. Unable to verify if plate is welded over WS end. FIELD_STRUCT_DESC: Abandoned 8-inch steel irrigation pipe through the levee, 4.5 feet below the crown. CM cutoff wall around pipe at center of levee. Siphon breaker on waterward shoulder. Pump on landward side. Gate valve on the waterward side. 1.5-inch filler pipe at same location. Plate welded to waterward end (Permit No. 6321-1969). FS Date: 4/9/2015					

LM Start	<b>2.88</b>	Rating **	U	Issue No.	<b>992 (cont)</b>
LM End	<b>2.88</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_SP\_2016\_44387\_73743.jpg



Pipe and pump platform on LS toe.

Photo 2 of 2 : UCIP\_SP\_2016\_44387\_73742.jpg



1.5-inch filler pipe and 8-inch steel irrigation pipe at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.00	Rating **	U	Issue No.	72
LM End	6.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295798 °	38.327002 °
				-121.604735 °	-121.576920 °
DWR ID	DWR_RD0349_03_f_2015_72				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
This section hasn't been maintained and is completely overgrown. No maintenance since 2015 inspection.					

Photo 1 of 1 : SP\_2016\_RD0349\_206\_72\_20160223\_00008.jpg



Unsatisfactory tall weeds and vegetation on the landside levee slope and shoulder runs from levee mile 3.00 to 6.50.

LM Start	3.01	Rating **	U	Issue No.	74
LM End	6.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.296030 °	38.327002 °
				-121.604710 °	-121.576920 °
DWR ID	DWR_RD0349_03_f_2015_74				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Looking downstream from the waterside levee slope at unsatisfactory vegetation. No maintenance since last inspection.					

Photo 1 of 1 : SP\_2016\_RD0349\_206\_74\_20160223\_00011.jpg



Looking downstream waterside, unsatisfactory tall vegetation blocking view of the levee slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.19	Rating **	U	Issue No.	73
LM End	3.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.298223 °	38.298223 °
				-121.603240 °	-121.603240 °
DWR ID	DWR_RD0349_03_f_2014_73				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
This tree on the landside slope is rotten and could possibly fall across levee section.					

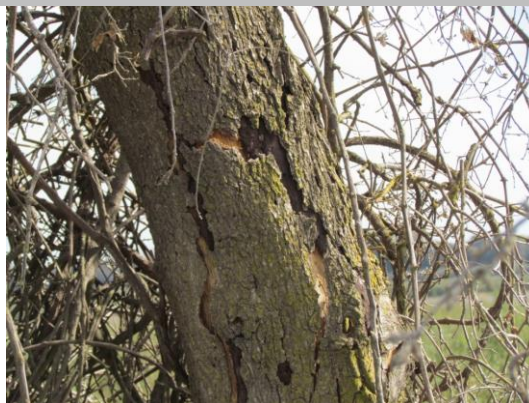
LM Start	<b>3.19</b>	Rating **	U	Issue No.	<b>73 (cont)</b>
LM End	<b>3.19</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP\_2016\_RD0349\_206\_73\_20160223\_00009.jpg



Dead tree above crown roadway landward.

Photo 2 of 2 : SP\_2016\_RD0349\_206\_73\_20160223\_00010.jpg



Close up view of dead tree standing above crown roadway.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.34	Rating **	M	Issue No.	995
LM End	3.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.299703 °	38.299703 °
				-121.601112 °	-121.601112 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44389 DS_ID:24179 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing altered--need to contact owner to obtain permit number authorizing work. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: *DELETE* FS Date: 4/9/2015					

LM Start	<b>3.34</b>	Rating **	M	Issue No.	<b>995 (cont)</b>
LM End	<b>3.34</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_44389\_36873.jpg



View of waterward side--pump, control panel, pipe, and walkway.

Photo 2 of 2 : UCIP\_SP\_2016\_44389\_36875.jpg



Corrugated metal riser located on waterward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.34	Rating **	M	Issue No.	996
LM End	3.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.299718 °	38.299718 °
				-121.601095 °	-121.601095 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44390					
DS_ID:24214					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Walway and pier abandoned and appears to be a hazard that should be removed.					
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 5.8-feet below the crown. Pump, butterfly valve, and electrical panel on WS slope. Pier and walkway next to pump on WS slope. Power pole, filters, and distribution box at LS toe.					
FS Date: 4/9/2015					

LM Start	<b>3.34</b>	Rating **	M	Issue No.	<b>996 (cont)</b>
LM End	<b>3.34</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_44390\_73745.jpg



Pipe, filter system, powerpole, and distribution box at LS toe.

Photo 2 of 2 : UCIP\_SP\_2016\_44390\_73746.jpg



Pump, electrical panel, butterfly valve, and walkway on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.77	Rating **	M	Issue No.	973
LM End	3.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.305300 °	38.305300 °
				-121.598620 °	-121.598620 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:21644					
DS_ID:24180					
EP_NO: 9290					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to					
identify signs of pipe failure (leaks) through the levee slopes.					
Recommend removing vegetation along pipe alignment to conduct					
proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 10-inch steel pipe and 1.5-inch steel electrical					
conduit through the levee, both 4.0 feet below the crown. Steel cutoff					
wall around pipe and conduit at center of levee. Pump and gate valve					
on waterward slope. 6-inch intake pipe extends from pump into channel.					
Distribution system at landward toe. (Permit No. 9290-1975)					
FS Date: 3/19/2009					

LM Start	<b>3.77</b>	Rating **	M	Issue No.	<b>973 (cont)</b>
LM End	<b>3.77</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_21644\_36780.jpg



View of waterward side.

Photo 2 of 2 : UCIP\_SP\_2016\_21644\_36778.jpg



90 elbow at daylight and continues along slope and connects to pump.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.96	Rating **	M	Issue No.	988
LM End	3.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.307507 °	38.307507 °
				-121.596875 °	-121.596875 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43454 DS_ID:24182 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: Abandoned 7-inch pipe through the levee, 2.0 feet below the crown. FS Date: 3/19/2009					

No Photos

LM Start	3.96	Rating **	M	Issue No.	990
LM End	3.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.307519 °	38.307519 °
				-121.596876 °	-121.596876 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43456 DS_ID:24181 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: *REMOVED* 10-inch pipe through the levee, 3.5 feet below the crown. Pump and gate valve in pumphouse at the landward toe. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.2). Removed and replaced with 10-inch pipe under Permit No. 15503 (1990). FS Date: 3/19/2009					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.96	Rating **	M	Issue No.	989
LM End	3.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.307533 °	38.307533 °
				-121.596881 °	-121.596881 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43455 DS_ID:24201 EP_NO: 15503 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 3.0 feet below the crown. Steel cutoff wall around pipe 24-inches landward of levee center. Pump and gate valve in pumphouse at the landward toe. Pipe is exposed along waterward slope. (Permit No. 15503-1990) FS Date: 3/19/2009					

LM Start	<b>3.96</b>	Rating **	M	Issue No.	<b>989 (cont)</b>
LM End	<b>3.96</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_43455\_36783.jpg



Pump house located on landward side.

Photo 2 of 2 : UCIP\_SP\_2016\_43455\_36782.jpg



View of waterward side.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	3.99	Rating **	U	Issue No.	25
LM End	3.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.307997 °	38.307997 °
				-121.597039 °	-121.597039 °
DWR ID	DWR_RD0349_03_s_2012_25				
Comment Code					
FE : Fence					
Inspector Comment					
Unauthorized cable gate crossing levee. Cable gates crossing the levee crown have been prohibited. There is no CVFPB permit for this crossing. This encroachment should be removed.					

Photo 1 of 1 : SP\_2016\_RD0349\_206\_25\_20160223\_00002.jpg



Cable crossings has been banned. They are unauthorized. No new photo.

LM Start	4.20	Rating **	M	Issue No.	78
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.310528 °	38.310528 °
				-121.597180 °	-121.597180 °
DWR ID	DWR_RD0349_03_f_2014_78				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Dead tree need removing from levee section.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	4.26	Rating **	M	Issue No.	993
LM End	4.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.310896 °	38.310896 °
				-121.596242 °	-121.596242 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43458 DS_ID:24183 EP_NO: 8681 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 1 of 2: 6-inch steel pipe and 1.5-inch steel electrical conduit through the levee, 4.1 feet and 2.0 feet below the crown, respectively. Steel cutoff wall around pipe and conduit at center of levee. Pump on platform and gate valve on the waterward slope, not connected. Exposed suction pipe from pump to channel. Rock revetment on waterward slope. (Permit No. 8681-1973) FS Date: 3/19/2009					

Photo 1 of 1 : UCIP\_SP\_2016\_43458\_36784.jpg



View of waterward side. 2 crossing visible 12-inch and 6-inch pipes.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	4.26	Rating **	M	Issue No.	991
LM End	4.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.310905 °	38.310905 °
				-121.596226 °	-121.596226 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:43457  
DS\_ID:24184  
EP\_NO: 8681  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Need to contact owner. Is filter sytem located on landward side part of crossing. If so need permit number authorizing work. Also if crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: 2 of 2: 12-inch steel irrigation pipe through the levee, 4.3 feet below the crown. Steel cutoff wall around pipe at center of levee. Pump on platform and gate valve on the waterward slope. Exposed suction pipe from pump to channel. Rock revetment on waterward slope. (Permit No. 8681-1973)  
FS Date: 3/19/2009

LM Start	<b>4.26</b>	Rating **	M	Issue No.	<b>991 (cont)</b>
LM End	<b>4.26</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_43457\_36793.jpg



View of waterward side. 2 crossing visible 12-inch and 6-inch pipes.

Photo 2 of 2 : UCIP\_SP\_2016\_43457\_36792.jpg



Pump associated with 12-inch pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	4.55	Rating **	M	Issue No.	994
LM End	4.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.313659 °	38.313659 °
				-121.592159 °	-121.592159 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:43459  
DS\_ID:24185  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Recommend removing vegetation along pipe alignment. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: 10-inch steel irrigation pipe and 2-inch electrical conduit through the levee, both 2.8 feet below the crown.  
Abandoned pumps and gate valve on the waterward slope. Service pole on the landward slope. Concrete headwall on landward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.8).  
FS Date: 3/19/2009

LM Start	<b>4.55</b>	Rating **	M	Issue No.	<b>994 (cont)</b>
LM End	<b>4.55</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_SP\_2016\_43459\_36796.jpg



Waterward side--pipe visible through dense vegetation.

Photo 2 of 2 : UCIP\_SP\_2016\_43459\_36795.jpg



Pump located on waterward side is not connected.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	4.74	Rating **	U	Issue No.	80
LM End	6.30	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.316183 °	38.329088 °
				-121.590735 °	-121.579400 °
DWR ID	DWR_RD0349_03_f_2015_80				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
The crown roadway should be keep free of vegetation. No picture.					

Photo 1 of 1 : SP\_2016\_RD0349\_206\_80\_20160223\_00012.jpg



RD 349 Levee mile 4.74 looking at overgrown crown roadway. Weeds are taller than four feet. Extreme fire hazard.

LM Start	4.80	Rating **	M	Issue No.	982
LM End	4.80	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.316968 °	38.316968 °
				-121.590219 °	-121.590219 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43431 DS_ID:24186 EP_NO: 15359 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 6.0 feet below the crown. Siphon breaker in protective house at levee shoulder. Pump in pumphouse and power pole at landward toe. Pipe connected to 8-inch exposed pipe at landward shoulder, extending to pumphouse. Filter screen in channel at waterward toe. (Permit No. 15359-1990) FS Date: 3/19/2009					

Photo 1 of 2 : UCIP\_SP\_2016\_43431\_36800.jpg



Air vent located on pipe on landward.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	4.80	Rating **	M	Issue No.	982 (cont)	
LM End	4.80	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.316968 °	38.316968 °	
				-121.590219 °	-121.590219 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:43431 DS_ID:24186 EP_NO: 15359 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 6.0 feet below the crown. Siphon breaker in protective house at levee shoulder. Pump in pumphouse and power pole at landward toe. Pipe connected to 8-inch exposed pipe at landward shoulder, extending to pumphouse. Filter screen in channel at waterward toe. (Permit No. 15359-1990) FS Date: 3/19/2009						

Photo 2 of 2 : UCIP\_SP\_2016\_43431\_36801.jpg



Pipe located on waterward side.

LM Start	5.04	Rating **	M	Issue No.	42
LM End	5.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.320321 °	38.320321 °
				-121.589617 °	-121.589617 °
DWR ID	DWR_RD0349_03_s_2013_42				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	5.06	Rating **	M	Issue No.	3
LM End	5.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.320491 °	38.322233 °
				-121.589927 °	-121.590127 °
DWR ID	DWR_RD0349_03_s_2016_3				
Comment Code					
Inspector Comment					
2015: Large Tree popout and tall vertical sections into the levee slope. [2015 Site ID: STR_26-9_L]					

No Photos

LM Start	5.14	Rating **	M	Issue No.	44
LM End	5.14	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.321778 °	38.321778 °
				-121.589740 °	-121.589740 °
DWR ID	DWR_RD0349_03_s_2016_44				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	5.19	Rating **	M	Issue No.	983
LM End	5.19	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.322448 °	38.322448 °
				-121.589675 °	-121.589675 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:43433  
DS\_ID:24188  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Walkway is no longer functional. Need to contact owner--if crossing is no longer used owner will need to coordinate with DWR Inspector and CVFPB. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) through the levee slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect.  
FIELD\_STRUCT\_DESC: 12-inch pipe through the levee, 6.2 feet below the crown. Pump and control panel on piling structure in stream, with walkway. Service pole and concrete standpipe on the landward slope. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.5).  
FS Date: 3/19/2009

LM Start	<b>5.19</b>	Rating **	M	Issue No.	<b>983 (cont)</b>
LM End	<b>5.19</b>	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP\_SP\_2016\_43433\_70484.jpg



View of landward side--pipe and stand pipe visible.

Photo 2 of 2 : UCIP\_SP\_2016\_43433\_70483.jpg



View of waterward side--pipe and remaining appurtenances.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	5.19	Rating **	M	Issue No.	997
LM End	5.19	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.322460 °	38.322460 °
				-121.589690 °	-121.589690 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44391					
DS_ID:24189					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: 4-inch pipe through the levee, 3.3 feet below the crown. Gate and pump on platform at the landward toe (missing). Platform on the waterward side. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.6).					
FS Date: 4/9/2015					

LM Start	<b>5.19</b>	Rating **	M	Issue No.	<b>997 (cont)</b>
LM End	<b>5.19</b>	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP\_SP\_2016\_44391\_73749.jpg



4-inch pipe next to larger pipe on LS slope.

Photo 2 of 2 : UCIP\_SP\_2016\_44391\_73748.jpg



4-inch pipe next to larger pipe on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	5.20	Rating **	M	Issue No.	16
LM End	5.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.322549 °	38.322546 °
				-121.589620 °	-121.589615 °
DWR ID	DWR_RD0349_03_f_2012_16				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.22	Rating **	M	Issue No.	21
LM End	5.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.322693 °	38.322693 °
				-121.589327 °	-121.589327 °
DWR ID	DWR_RD0349_03_s_2012_21				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Remove tree limbs over hanging roadway.					

No Photos

LM Start	5.25	Rating **	M	Issue No.	36
LM End	5.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.322868 °	38.322868 °
				-121.588868 °	-121.588868 °
DWR ID	DWR_RD0349_03_f_2012_36				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Remove tree limb over hanging roadway.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	5.28	Rating **	M	Issue No.	32
LM End	5.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.322958 °	38.323141 °
				-121.588326 °	-121.587639 °
DWR ID	DWR_RD0349_03_f_2013_32				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	5.46	Rating **	M	Issue No.	38
LM End	5.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.324448 °	38.325476 °
				-121.585648 °	-121.585042 °
DWR ID	DWR_RD0349_03_f_2012_38				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	5.57	Rating **	M	Issue No.	998
LM End	5.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.325845 °	38.325845 °
				-121.584890 °	-121.584890 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44392 DS_ID:24191 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Electromagnetic survey indicated a crossing at this point. Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: Abandoned 3-inch pipe through the levee, 3.0 feet below the crown. FS Date: 3/19/2009					

No Photos

LM Start	5.58	Rating **	U	Issue No.	976
LM End	5.58	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.326096 °	38.326096 °
				-121.584747 °	-121.584747 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43436 DS_ID:24190 EP_NO: 16077 Repair Type: Urgent Crossing Status: Found UCIP Comments: Soil disturbed on landward slope--need to contact owner. Also vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 10-inch pipe through the levee, 3.8 feet below the crown. Pump in pumphouse on waterward side. Service pole on waterward slope. Concrete standpipe and distribution box at waterward toe. Pipe is exposed on both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.9). Section of pipe under crown, between shoulders, removed and replaced with 10-inch steel pipe under Permit No. 16077 (2000). FS Date: 3/19/2009					

Photo 1 of 2 : UCIP\_SP\_2016\_43436\_36841.jpg



View of landward--pipe and stand pipe visible.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	5.58	Rating **	U	Issue No.	976 (cont)	
LM End	5.58	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.326096 °	38.326096 °	
				-121.584747 °	-121.584747 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:43436 DS_ID:24190 EP_NO: 16077 Repair Type: Urgent Crossing Status: Found UCIP Comments: Soil disturbed on landward slope--need to contact owner. Also vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Note date on photos should be 3/18/09 not 7/26/08 camera metadata is incorrect. FIELD_STRUCT_DESC: 10-inch pipe through the levee, 3.8 feet below the crown. Pump in pumphouse on waterward side. Service pole on waterward slope. Concrete standpipe and distribution box at waterward toe. Pipe is exposed on both slopes. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.9). Section of pipe under crown, between shoulders, removed and replaced with 10-inch steel pipe under Permit No. 16077 (2000). FS Date: 3/19/2009						

Photo 2 of 2 : UCIP\_SP\_2016\_43436\_36843.jpg



View of pipe and pump along waterward slope.

LM Start	5.83	Rating **	M	Issue No.	88
LM End	5.83	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.329465 °	38.329465 °
				-121.584995 °	-121.584995 °
DWR ID	DWR_RD0349_03_f_2014_88				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Trim the tree limb over hanging crown roadway.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2016**

**Reclamation District No. 0349 Sutter Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	04/05/2016 04/05/2016	Herman Phillips

LM Start	5.89	Rating **	M	Issue No.	90
LM End	5.89	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.330308 °	38.330308 °
				-121.584560 °	-121.584560 °
DWR ID	DWR_RD0349_03_f_2014_90				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Trim the tree limbs over hanging the crown roadway.					

No Photos

LM Start	6.02	Rating **	M	Issue No.	87
LM End	6.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.331592 °	38.331592 °
				-121.583287 °	-121.583287 °
DWR ID	DWR_RD0349_03_f_2014_87				
Comment Code					
FW : Firewood					
Inspector Comment					
Remove the firewood from the landside levee shoulder.					

No Photos

LM Start	6.09	Rating **	M	Issue No.	86
LM End	6.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.331327 °	38.331327 °
				-121.582067 °	-121.582067 °
DWR ID	DWR_RD0349_03_f_2014_86				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Thim tree limbs over hanging the crown roadway.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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